

#5

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Substitute for form 1449A/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>		
				Application Number	09/461,068	
Sheet		3	of	5	Filing Date	December 14, 1999
					First Named Inventor	Tinku Acharya
					Art Unit	Not Assigned
					Examiner Name	Not Assigned
					Attorney Docket Number	42390P7490

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	35	ACHARYA, ET AL., "A NEW BLOCK MATCHING BASED COLOR INTERPOLATION ALGORITHM", Intel Corporation, Digital Imaging and Video Division, Chandler, AZ, 3 Pgs.	
	36	JAMES ADAMS, JR., "INTERACTIONS BETWEEN COLOR PLANE INTERPOLATION AND OTHER IMAGE PROCESSING FUNCTIONS IN ELECTRONIC PHOTOGRAPHY" Eastman Kodak Company, Imaging Research and Advanced Development, Rochester, NY, SPIE, Vol. 2416, Pgs. 144-151.	
	37	ZHAO, ET AL., "A FUZZY LOGIC APPROACH TO IMAGE SEGMENTATION", Dept. of Electrical Engineering, Utah State University, Logan, UT, 1994 IEEE, Pgs. 337-340.	
	38	"IMAGE PROCESSING AND MACHINE VISION", Chapter 4, Pgs. 327-330.	
	39	ROSENFELD, "FUZZY DIGITAL TOPOLOGY", Computer Science Center, University of Maryland, College Park, Maryland, Inform. Control, Vol. 40, No. 1, Jan 1979, Copyright 1979 by Academic Press, Inc. Pgs. 331-339.	
	40	ROSENFELD, "THE FUZZY GEOMETRY OF IMAGE SUBSETS", Center for Automation Research, University of Maryland, College Park, MD, Pattern Recognition Letters, Vol. 2, September 1984, Pgs. 340-346.	
	41	DYER, ET AL., "THINNING ALGORITHMS FOR GRAY-SCALE PICTURES", IEEE Trans. Pattern Analysis and Machine Intelligence, Vol. PAMI-1, No. 1, January 1979, Pgs. 347-348.	
	42	PAL, ET AL., "IMAGE ENHANCEMENT USING SMOOTHING WITH FUZZY SETS", IEEE Transactions on Systems, Man, and Cybernetics, Vol. SMC-11, No. 7, July 1981, Pgs. 349-356.	
	43	LI, ET AL., "FAST AND RELIABLE IMAGE ENHANCEMENT USING FUZZY RELAXATION TECHNIQUE", IEEE Transactions on Systems, Man, and Cybernetics, Vol. 19, No. 5, Sept./Oct. 1989, Pgs. 357-361.	
	44	TANAKA, ET AL., "A STUDY ON SUBJECTIVE EVALUATIONS OF PRINTED COLOR IMAGES" Image & Information Research Institute, Dai Nippon Printing Co., Tokyo, Japan, Vol. 5, No. 3, Copyright 1991 by Elsevier Science Publishing Co., Pgs. 362-368.	
	45	PAL, ET AL., "IMAGE ENHANCEMENT AND THRESHOLDING BY OPTIMIZATION OF FUZZY COMPACTNESS", Center for Automation Research, University of Maryland, College Park, MD, Pattern Recognition Letters, Vol. 7, February 1988, Pgs. 369-378.	
	46	LIM, ET AL., "ON THE COLOR IMAGE SEGMENTATION ALGORITHM BASED ON THE THRESHOLDING AND THE FUZZY C-MEANS TECHNIQUES", Dept. of Control and Instrumentation Engineering, Seoul National University, Kwanad-Ku, Seoul, Korea, Pattern Recognition, Vol. 23, No. 9, Copyright 1990, Pergamon Press, Pgs. 379-396	

RECEIVED

FEB 25 2003

Technology Center 2600

Examiner Signature	Date Considered
--------------------	-----------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

†Applicant's unique citation designation number. ‡Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

14



#5

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application Number	09/461,068
				Filing Date	December 14, 1999
				First Named Inventor	Tinku Acharya
				Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	5	of	5	Attorney Docket Number	42390P7490

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	62	ACHARYA, ET AL., "ZEROTREE ENCODING OF WAVELET DATA", Application No: 09/390,255, Filed: 9/3/99, Atty. Docket No. 042390.P7057, 22 Pgs.	
	63	ACHARYA, ET AL., "A FUZZY DISTINCTION BASED THRESHOLDING TECHNIQUE FOR IMAGE SEGMENTATION", Application No: 09/393,017, Filed: 9/10/99, Atty. Docket No. 042390.P7115, 29 Pgs.	
	64	ACHARYA, ET AL., "A FUZZY BASED THRESHOLDING TECHNIQUE FOR IMAGE SEGMENTATION", Application No: 09/393,136, Filed: 9/10/99, Atty. Docket No. 042390.P7114, 28 Pgs.	
	65	ACHARYA, "VIDEO MOTION ESTIMATION", Application No: 09/406,032, Filed: 9/27/99, Atty. Docket No. 042390.P7330, 24 Pgs.	
	66	ACHARYA, ET AL., "METHOD OF INTERPOLATING COLOR PIXEL SIGNALS FROM A SUBSAMPLED COLOR IMAGE", Application No: 09/410,800, Filed: 10/1/99, Atty. Docket No. 042390.P7331, 20 Pgs.	
	67	ACHARYA, ET AL., "METHOD OF COMPRESSING A COLOR IMAGE", Application No: 09/411,697, Filed: 10/1/99, Atty. Docket No. 042390.P7463, 26 Pgs.	
	68	ACHARYA, ET AL., "SQUARE ROOT RAISED COSINE SYMMETRIC FILTER FOR MOBILE TELECOMMUNICATIONS", Application No: 09/429,058, Filed: 10/29/99, Atty. Docket No. 042390.P7629, 36 Pgs.	
	69	ACHARYA, "DISCRETE FILTER", Application No: 09/432, 337, Filed: 11/2/99, Atty. Docket No. 042390.P7626, 16 Pgs.	
	70	ACHARYA, ET AL., "INDEXING WAVELET COMPRESSED VIDEO FOR EFFICIENT DATA HANDLING", Application No: 09/438,091, Filed: 11/10/99, Atty. Docket No. 042390.P6454, 29 Pgs.	
	71	ACHARYA, "METHOD OF UPSCALING A COLOR IMAGE", Application No: 09/461,080, Filed: 12/14/99, Atty. Docket No. 042390.P7489, 22 Pgs.	

RECEIVED  
FEB 25 2003

Technology Center

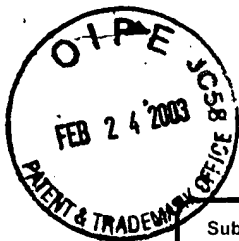
Examiner Signature	Date Considered
-----------------------	--------------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication.

†Applicant's unique citation designation number. †Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

10



#5

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/461,068
				Filing Date	December 14, 1999
				First Named Inventor	Tinku Acharya
				Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	4	of	5	Attorney Docket Number	42390P7490

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	47	HUNTSBERGER, ET AL., "REPRESENTATION OF UNCERTAINTY IN COMPUTER VISION USING FUZZY SETS", IEEE Transactions on Computers, Vol. C-35, No. 2, February 1986, Pgs. 397-407.	
	49	ACHARYA, "A MEMORY BASED VLSI ARCHITECTURE FOR IMAGE COMPRESSION", Application No: 08/885,415, Filed: 6/30/97, Atty. Docket No. 042390.P4425, 37 Pgs.	
	50	BAWOLEK, ET AL., "INFRARED CORRECTION SYSTEM", Application No: 09/126,203, Filed: 7/30/98, Atty. Docket No. 042390.P6172, 23 Pgs.	
	51	PAZMINO, ET AL., "METHOD OF COMPRESSING AND/OR DECOMPRESSING A DATA SET USING SIGNIFICANCE MAPPING", Application No: 09/151,336, Filed: 9/11/98, Atty. Docket No: 042390.P6391, 40 Pgs.	
	52	TAN, ET AL., "ROBUST SEQUENTIAL APPROACH IN DETECTING DEFECTIVE PIXELS WITHIN AN IMAGE SENSOR", Application No: 09/191,310, Filed: 11/13/98, Atty. Docket No: 042390.P6575, 35 Pgs.	
	53	ACHARYA, ET AL., "COLOR INTERPOLATION FOR A FOUR COLOR MOSAIC PATTERN", Application No: 09/199,836, Filed: 11/24/98, Atty. Docket No: 042390.P6376, 26 Pgs.	
	54	ACHARYA, "A MATHEMATICAL MODEL FOR GRAY SCALE AND CONTRAST ENHANCEMENT OF A DIGITAL IMAGE", Application No: 09/207,753, Filed: 12/8/98, Atty. Docket No: 042390.P6217, 28 Pgs.	
	55	ACHARYA, "ENHANCING IMAGE COMPRESSION PERFORMANCE BY MORPHOLOGICAL PROCESSING", Application No: 09/291,810, Filed: 4/14/99, Atty. Docket No. 042390.P6878, 31 Pgs.	
	56	TAN, ET AL., "USING AN ELECTRONIC CAMERA TO BUILD A FILE CONTAINING TEXT", Application No: 09/301,753, Filed: 4/29/99, Atty. Docket No. 042390.P5742, 21 Pgs.	
	57	TSAL, ET AL., "METHOD AND APPARATUS FOR ADAPTIVELY SHARPENING AN IMAGE", Application No: 09/320,192, Filed: 5/26/99, Atty. Docket No. 042390.P6452, 27 pgs.	
	58	TAN, ET AL., "METHOD AND APPARATUS FOR ADAPIVELY SHARPENING LOCAL IMAGE CONTENT OF AN IMAGE", Application No: 09/328,935, Filed: 6/9/99, Atty. Docket No. 042390.P7125, 29 Pgs.	
	59	TAN, ET AL., "A HARDWARE EFFICIENT WAVELET-BASED VIDEO COMPRESSION SCHEME", Application No: 09/342,863, Filed: 6/29/99, Atty. Docket No. 042390.P6529, 32 Pgs.	
	60	ACHARYA, ET AL., "IMAGE PROCESSING METHOD AND APPARATUS", Application No: 09/359,523, Filed: 7/23/99, Atty. Docket No. 042390.P7323, 16 Pgs.	
	61	TAN, ET AL., "A METHODOLOGY FOR COLOR CORRECTION WITH NOISE REGULATION", Application No: 09/359,831, Filed: 7/23/99, 30 Pgs.	

RECEIVED

FEB 25 2003

Technology Center 2600

Examiner Signature	Date Considered
--------------------	-----------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

†Applicant's unique citation designation number. †Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

14